

Curvarum Formæ. Sectionis Conicæ. Curvarum Area.

Forma prima. Abscissa. Ordinata.

Fig. 5.

$$\begin{aligned} 1. \frac{dz^{n+1}}{e+fx^n} &= y. & z^n &= x. & \frac{d}{e+fx} &= v. & \frac{1}{n} S &= t = \frac{aGDB}{n} \\ 2. \frac{dz^{2n+1}}{e+fx^n} &= y. & z^n &= x. & \frac{d}{e+fx} &= v. & \frac{d}{n^2} z^n - \frac{c}{n^2} S &= t. \\ 3. \frac{dz^{3n+1}}{e+fx^n} &= y. & z^n &= x. & \frac{d}{e+fx} &= v. & \frac{d}{2n^2} z^{2n} - \frac{dc}{n^2} z^n + \frac{ce}{n^2} S &= t. \end{aligned}$$

Forma secunda.

Fig. 6, 7.

$$\begin{aligned} 1. \frac{dz^{\frac{1}{2}n+1}}{e+fx^n} &= y. \sqrt{\frac{d}{e+fx^n}} = x. \sqrt{\frac{d}{f} - \frac{c}{f} XX} = v. \frac{2XV + 4S}{n} = t = \frac{4}{n} ADGa. \\ 2. \frac{dz^{\frac{3}{2}n+1}}{e+fx^n} &= y. \sqrt{\frac{d}{e+fx^n}} = x. \sqrt{\frac{d}{f} - \frac{c}{f} XX} = v. \frac{2dc}{n^2} z^{\frac{n}{2}} + \frac{4cs - 2exv}{n^2} = t. \\ 3. \frac{dz^{\frac{5}{2}n+1}}{e+fx^n} &= y. \sqrt{\frac{d}{e+fx^n}} = x. \sqrt{\frac{d}{f} - \frac{c}{f} XX} = v. \frac{2dc}{3n^2} z^{\frac{3n}{2}} - \frac{2dec}{n^2} z^{\frac{n}{2}} + \frac{2ecxv - 4ees}{n^2} = t. \end{aligned}$$

Forma

Forma tertia.

Fig. 6, 7, 8. 1. $\frac{d}{z} \sqrt{\frac{d}{e+fx^n}} = y. \frac{1}{z} = xx. \sqrt{\frac{d}{f} - \frac{c}{f} XX} = v. \frac{4de}{n^2} \ln \frac{V_3}{2cx} - S = t = \frac{4de}{n^2}$ in aGDT, vel in APDB ÷ TDB.
 Vel sic, $\frac{1}{z} = x. \sqrt{\frac{d}{f} - \frac{c}{f} XX} = v. \frac{8dec}{n^2} \ln S - \frac{1}{2} XV - \frac{fv}{4c} + \frac{fiv}{4ecx} = t = \frac{8dec}{n^2}$ in aGDA + $\frac{fiv}{4ecx}$.
 2. $\frac{d}{z} \sqrt{\frac{d}{e+fx^n}} = y. \frac{1}{z} = xx. \sqrt{\frac{d}{f} - \frac{c}{f} XX} = v. \frac{2d}{n} S = t = \frac{2d}{n}$ APDB, seu $\frac{2d}{n}$ aGDB.
 Vel sic, $\frac{1}{z} = x. \sqrt{\frac{d}{f} - \frac{c}{f} XX} = v. \frac{4de}{n^2} \ln S - \frac{1}{2} XV - \frac{fv}{4c} + \frac{4de}{n^2} = t = \frac{4de}{n^2}$ aGDB.